AN INTERMEDIATE REPRESENTATION FOR
MULTIPLE EXCEPTION HANDLING MODELS

ABSTRACT

5   As described herein, an intermediate representation of a source code file may be used to explicitly express exception handling control flow prior to generating object code for the source code. As further described herein, a single uniform set of instructions of the intermediate representation may be used for expressing multiple

10   different exception handling mechanisms related to multiple different programming languages. The intermediate form of the exception handling instructions may be generated by translating an intermediate language representation of the source code file. Representations of the source code in multiple different intermediate languages may be translated to a single uniform set of instructions of the intermediate representation. The

15   intermediate form of the exception handling instructions may then be used by software development tools for such tasks as code generation, code optimization, code analysis etc. Thus, the same methods for code optimizations, analysis and generation may be used for intermediate representations of multiple different languages.